



5.8G ROB ANTENNA

TECHNICAL DATA SHEET

TX5800-JK-11

VERSION: 3.2 DATA: 2020-11-06

TEL: 028-61542639 WEBSITE: WWW.ZIISOR.COM

CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNA

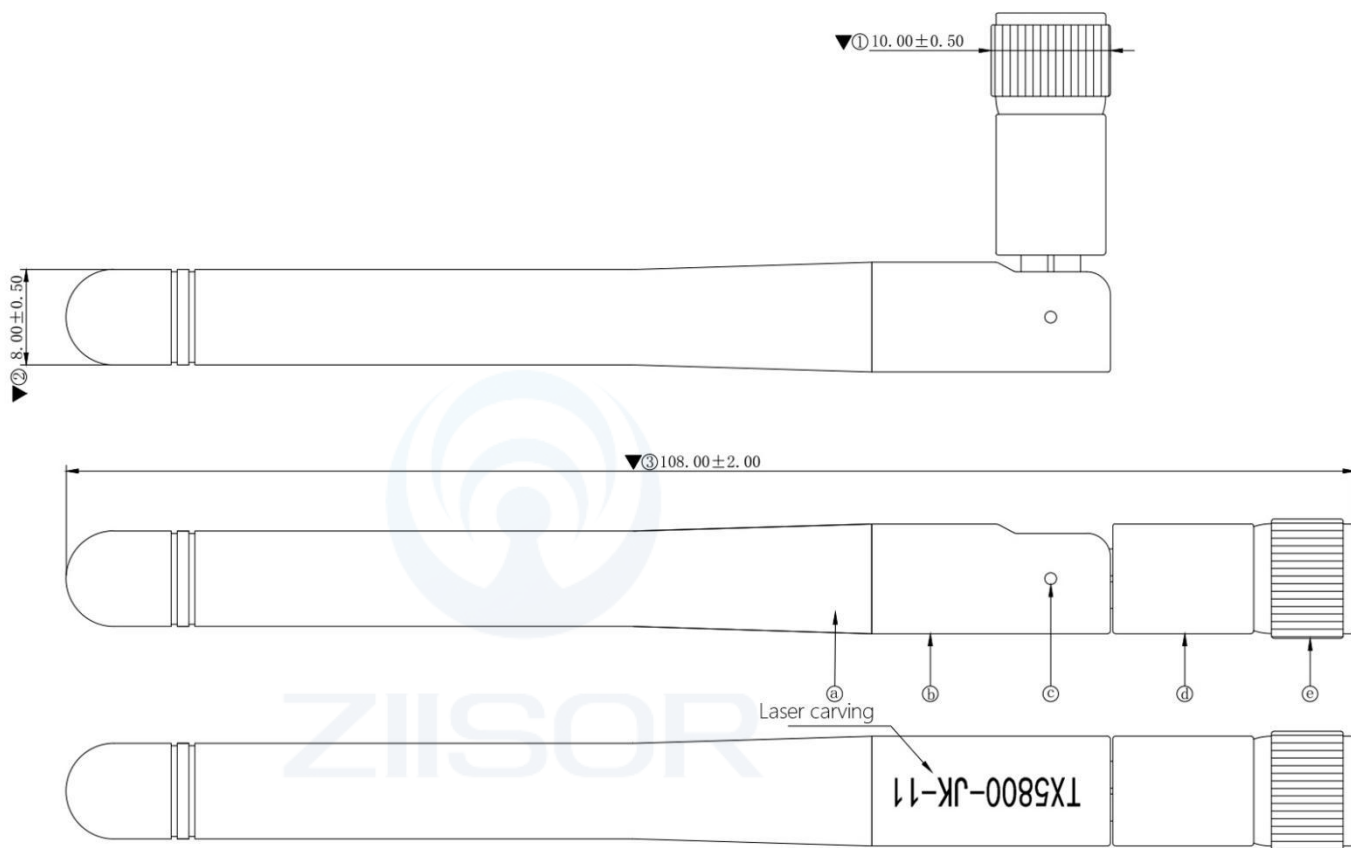


TX5800-JK-11

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX5800-JK-11	5.8G Rob Antenna
02	Material	TPEE	
03	Material of Radiator	CU	
04	Connector Type	SMA-J	
05	Antenna Colour	Black	
06	Overall Length	110mm	OD10mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	8g	±1g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	5.8GHz	5150~5850MHz
02	Antenna Gain	4dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Standing	10W	
07	S.W.R.	≤3.0	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-30°C ~ +75°C	
02	Storage Temperature	-30°C ~ +75°C	
03	RoHS Compliant	YES	

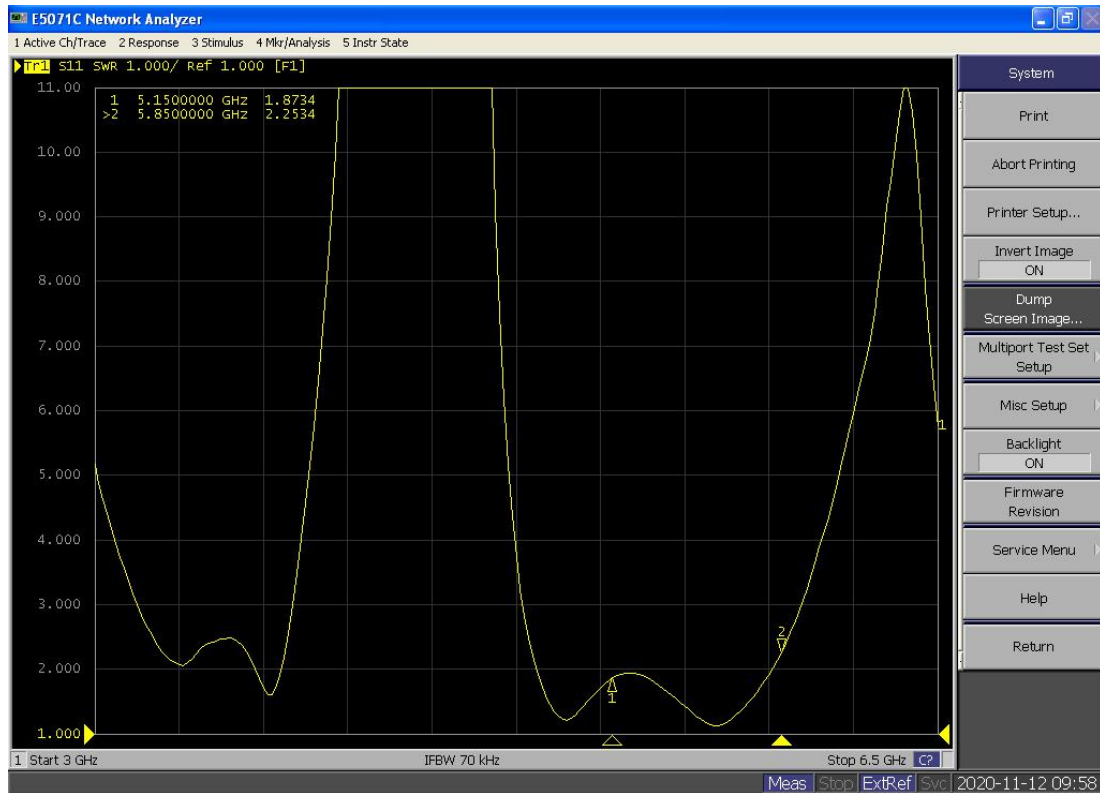
MECHANICAL DRAWING



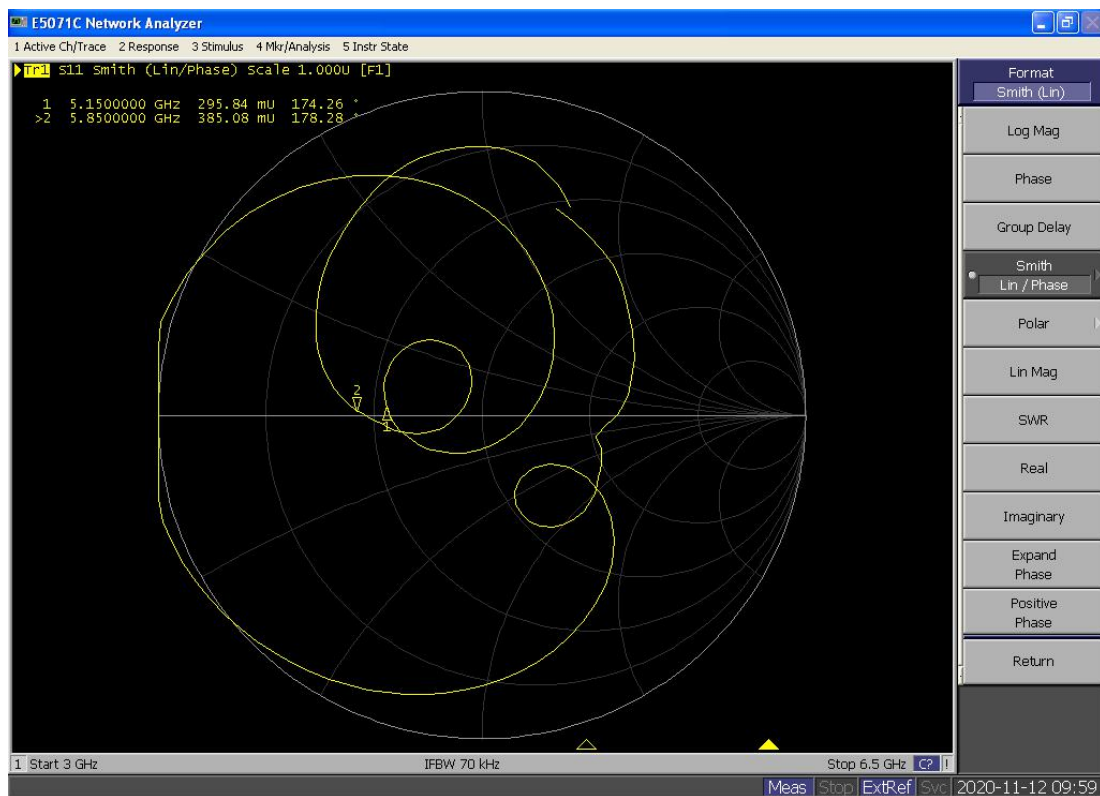
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Shell	1	TPEE Black
b	Antenna Base	1	PC+PBT Black
c	Rivet	2	POM Black
d	Antenna Base	1	PC+PBT Black
e	Connector	1	SMA-J Nickel plated

S.W.R.



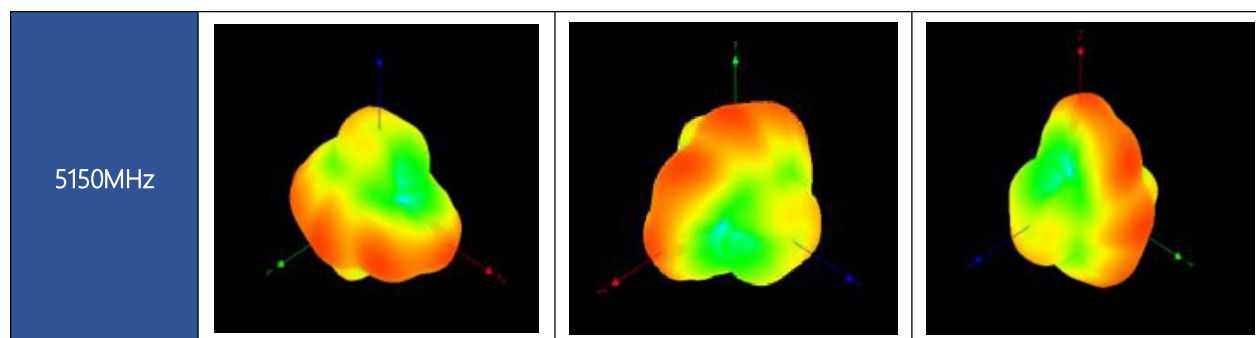
SMITH

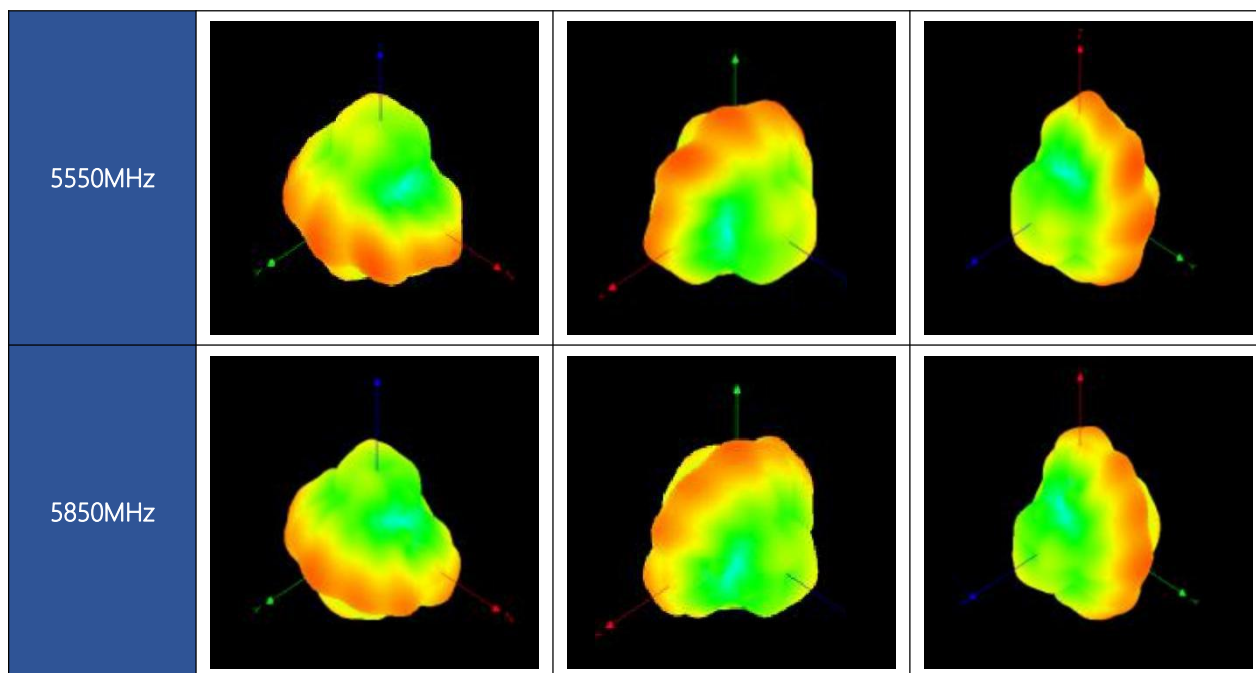


EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	5130M	79.8	3.88
02	5160M	77.27	3.19
03	5190M	79.25	3.68
04	5220M	84.33	3.93
05	5250M	82.79	3.96
06	5280M	76.03	3.22
07	5310M	82.22	3.73
08	5340M	82.41	3.89
09	5370M	79.98	3.83
10	5400M	82.04	3.77
11	5430M	69.98	2.82
12	5460M	80.91	3.79
13	5490M	73.11	3.68
14	5520M	66.37	3.25
15	5550M	77.27	3.76
16	5580M	72.78	3.43
17	5610M	67.61	3.64
18	5640M	73.79	3.84
19	5670M	78.16	3.84
20	5700M	68.71	3.17
21	5730M	85.51	3.05
22	5760M	75.86	4.04
23	5790M	65.46	3.59
24	5820M	79.98	4.09
25	5850M	78.34	3.51

RADIATION PATTERN





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